IN THE CLAIMS:

1. (currently amended) A compound of the general formula: $R^1R^2MR^4R^5$ wherein R^1 and R^2 are ~~independently an aryl, alkyl, alkenyl or alkynyl group, wherein at least one of R^1 and R^2 is~~ each fully or partially fluorinated aryl, and at least one of R^1 and R^2 contains one or more fully or partially fluorinated methyl, vinyl or ethyl groups, ~~wherein~~ M ~~is selected from group 14 of the periodic table~~ is Si, ~~wherein~~ and R^4 and R^5 are ~~independently an alkoxy group, OR^3, or a~~ each a halogen group, X~~, except where M is Si, R^4 and R^5 are both ethoxy groups or both chlorine groups, and R^1 and R^2 are perfluorinated phenyl groups~~.

2. (original) The compound of claim 1, wherein X is Br or Cl.

3. (original) The compound of claim 1, wherein R1 and/or R2 is fully fluorinated.

4-11. (canceled)

12. (currently amended) The compound of claim 1, wherein R1 is a fully or partially fluorinated phenyl group substituted with

a fully or partially fluorinated methyl, vinyl or ethyl ~~groups~~ group.

13-14. (canceled)

15. (original) The compound of claim 1, wherein X is Cl.

16. (original) The compound of claim 1, wherein X is Br.

17-50. (canceled)

51. (original) The compound of claim 1, wherein both R1 and R2 are fully fluorinated.

52. (original) The compound of claim 1, wherein one of R1 and R2 is fully fluorinated and the other is partially fluorinated.

53-56. (canceled)

57. (withdrawn) A method for making the compound $R^1R^2MR^4R^5$ of claim 1, comprising:

providing a compound $MOR3_qX_{4-q}$ where M is an element selected from group 14 of the periodic table, OR3 is an alkoxy group, X is a halogen and q is 3 or 4;

reacting the compound $MOR3_qX_{4-q}$ with either a) Mg and R1X2 where X2 is Cl, Br or I and R1 is an alkyl, alkenyl, aryl, epoxy or alkynyl group, and q=4, or b) with R1M1 where R1 is an alkyl, alkenyl, aryl, epoxy or alkynyl group and M1 is an element from group 1 of the periodic table, and q=3 or 4;

so as to form $R1MOR3_3$;

reacting $R1MOR3_3$ with a) Mg and R2X2 where X2 is Cl, Br or I and R1 is an alkyl, alkenyl, aryl, epoxy or alkynyl group, or b) with R2M1 where R2 is an alkyl, alkenyl, aryl, epoxy or alkynyl group and wherein R2 is fully or partially fluorinated and M1 is an element from group 1 of the periodic table, or c) with a halogen or halogen compound followed by reacting with R2M1 where R2 is an alkyl, alkenyl, aryl, epoxy or alkynyl group, wherein M1 is an element from group 1 of the periodic table;

so as to form $R^1R^2MR^4R^5$ wherein R1 and/or R2 is fully or partially fluorinated;

and wherein if R4 and R5 are a halogen, further reacting $R^1R^2MR^4R^5$ with a halogen or halogen compound.

58. (withdrawn) A method for using the compound of claim 1, comprising:

providing the compound of claim 1;

hydrolyzing the compound of claim 1 in the presence of H2O or D2O alone or with another compound;

so as to form a compound with an -M-O-M-O- backbone with at least R1 and R2 groups bound thereto and having a molecular weight of from 500 to 10,000.

59. (withdrawn) The method of claim 58, wherein the compound has a molecular weight of from 1500 to 5000.